**bs-0199R**

**[ Primary Antibody ]**

# GFAP Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 2670 **SWISS:** P14136

**Target:** GFAP

**Immunogen:** KLH conjugated synthetic peptide derived from human GFAP: 51-150/432.

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

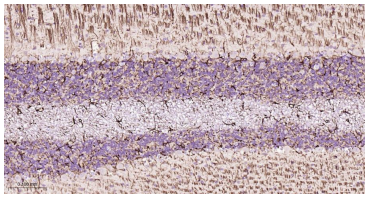
**Applications:** **IHC-P** (1:200-1000)
**IHC-F** (1:200-1000)
**IF** (1:200-1000)
**Flow-Cyt** (1:50-100)

**Reactivity:** Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog)

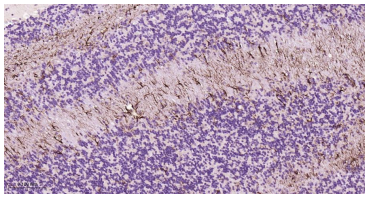
**Predicted MW.:** 48 kDa

**Subcellular Location:** Cytoplasm

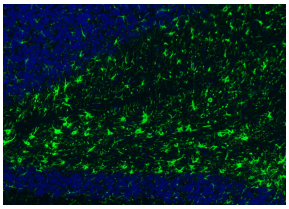
## VALIDATION IMAGES



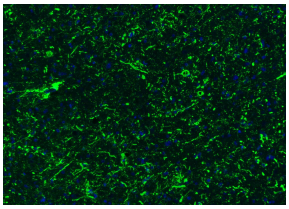
Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (bs-0199R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



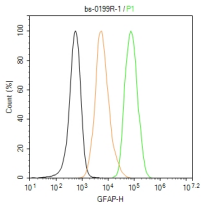
Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (bs-0199R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (bs-0199R) at 1:300 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (bs-0199R) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nuclei staining.




The U-251 MG (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-GFAP antibody (bs-0199R,1:100); Isotype Control (orange):

Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

## SELECTED CITATIONS

- **[IF=32.086]** Yuxin Liu. et al. Ferromagnetic flexible electronics for brain-wide selective neural recording. ADV MATER. 2022 Nov;:2208251 IF ;Rat. 36451587
- **[IF=14.1]** Ruilin Du. et al. TTNPB Promotes Human Pluripotent Stem Cell-to-Neural Stem Cell Transition via Modulation of Chromatin Accessibility and the S-(5′-adenosyl)-L-homocysteine/Choline Metabolic Network. ADV SCI. 2026 Feb;:e15648 IF ;Human,Rat. 41666221
- **[IF=14.1]** Lin Chen. et al. Long-Term Stable Subdural Recordings Enabled by Fibrosis-Resistant Hydrogel-Integrated μECoG Arrays. ADV SCI. 2025 Oct;:e15453 IF ;Rat. 41059974
- **[IF=13.3]** Jingjing Zhang. et al.Investigating the In Vivo Effects of Anti-Prion Protein Nanobodies on Prion Disease with AAV Vector.CHEMICAL ENGINEERING JOURNAL.2025 Feb Ihc ;Rabbit. 40005509
- **[IF=13.3]** Fangyu Qiao. et al. Dual siRNA-Loaded Cell Membrane Functionalized Matrix Facilitates Bone Regeneration with Angiogenesis and Neurogenesis. SMALL. 2023 Oct;:2307062 WB,IF,IHC ;Rat. 37824284